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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

VOL. VIII, No. 8. THURBER'S HELENA August, 1960

Production of crude oil and condensate from the oil and gas areas of Montana for the month of August, 1960, averaged 84,411 barrels daily, an increase of 420 barrels from the average July production of 83,991.

The nine refineries in the State processed 73,458 barrels of crude oil daily for the month of August, 1960, a decrease of 6,008 barrels daily from the 79,466 barrels processed daily during the month of July, 1960.

During August, 38 wells were completed, 14 oil, 0 gas well and 24 dry holes.

During August, the Commission issued 43 permits to drill new wells, an increase of 21 from the 22 permits issued during July.

SUMMARY OF CRUDE OIL PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA

MONTH OF AUGUST, 1960

IN STORAGE AUGUST 1st:

By Producers	388,379
By Transporters	550,143
By Refiners	645,335
TOTAL STORAGE	1,583,857
Produced in Montana During Month	2,616,757
Imported During Month	1,429,947
TOTALS	5,630,561

DISPOSITION:

Refined in Montana	2,277,219
Exported	1,767,208
Used for Fuel or Lost	(771)
TOTAL	4,043,656

IN STORAGE AUGUST 31st:

By Producers	364,967
By Transporters	577,890
By Refiners	644,048
TOTAL STORAGE	1,586,905

NATURAL GAS WITHDRAWALS IN MONTANA

Month of August, 1960

Field	M Cu. Ft.
Bears Den	5,415
Big Coulee	42,262
Bowdoin	38,676
Bowes	75,188
Box Elder	1,471
Cabin Creek	100,893
Cedar Creek	178,049
Clarks Fork	49,620
Cut Bank (including Reagan)	442,624
Devon	11,622
Dry Creek	79,711
Elk Basin	63,931
Flat Coulee	3,179
Golden Dome	0
Grandview	39,677
Hardin	3,167
Keith Block	0
Kevin Sunburst	91,308
Pine	92,803
Plevna	18,455
Utopia	0
Whitlash	71,069
Miscellaneous	115,072
TOTAL	1,524,192

Total Withdrawals for August, 1960 were 1,311,310 M Cu. Ft.

PRODUCER'S REPORT
MONTH OF AUGUST, 1960

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
1	Ash Creek	4	483	2,334		1,769		1,048
2	Bannatyne	6	2,808	705		466		3,047
1	Belfry	1	242	1,400		1,400		242
10	Big Wall	26	3,068	23,502		23,401	34	3,135
11	Blackfoot	14	3,534	10,640		11,217	1	2,956
20	Bowes	81	4,905	24,147	23,762			5,290
1	Bredette	1	1,922		809			1,113
2	Bredette, North	2	1,317	1,660	2,166			811
4	Brorson	4	1,634	6,019	2,558			5,095
2	Cabin Creek	98	6,859	411,551	407,602		808	10,000
22	Cat Creek	94	4,707	14,609	12,905	2,102	22	4,287
	Clark's Fork		377			194		183
2	Clark's Fork, North	3	3,035	12,116		12,320		2,831
1	Cupton	2	1,392	724	1,146			970
353	Cut Bank	1,079	128,304	177,657	180,515		47	125,399
3	Deer Creek	6	2,622	13,377	13,847			2,152
3	Delphia	3	1,490	2,732		2,975		1,247
	Devil's Basin		1,018					1,018
5	Dry Creek	5	875	3,150	3,340			685
2	Dwyer	2	1,771	10,627		10,853		1,545
7	Elk Basin	59	3,503	240,241	241,243			2,501
1	Fertile Prairie	1	180	550				730
2	Frannie	2	514	1,810	1,933			391
2	Gage	2	1,038	1,037		1,239	6	830
3	Gas City	10	4,182	14,871	16,643			2,410
6	Glendive	11	7,837	38,730	41,936			4,631
3	Gypsy Basin	4	1,201	651		922	3	927
10	Ivanhoe	21	4,934	29,133		27,414		6,653
4	Keg Coulee	4	1,420	20,779		19,898	254	2,047
198	Kevin Sunburst	1,203	16,359	62,069	63,808		205	14,415
2	Little Beaver	9	2,658	24,370	24,413			2,615
4	Little Beaver, East	12	3,901	24,340	24,654			3,587
4	Melstone	9	3,875	2,902		5,104		1,673
5	Monarch	12	4,575	36,490	37,050			4,015
3	Mosser	5	258	517		450		325
7	Outlook	11	9,468	49,964	53,830			5,602
3	Outlook, South	3	4,683	4,215	7,355			1,543
11	Pennel	20	7,104	45,452	45,598			6,958
5	Pine	143	18,875	436,790	438,272			17,393
82	Pondera	305	9,604	45,366	46,078			8,892
7	Poplar, East	93	19,763	268,149	271,183		38	16,691
3	Poplar, Northwest	4	1,511	2,231	2,937			805
4	Ragged Point	9	4,310	15,123		15,346		4,087
	Rattlesnake Butte		116					116
4	Reagan	50	3,671	15,970	17,132			2,509
9	Red Creek	17	2,749	30,328		30,037		3,040
1	Redstone	1	756	1,129	1,566			319
1	Repeat	1	382	3,897	4,136			143
6	Richey	11	5,406	15,914	16,139			5,181
2	Richey, Southwest	2	1,168	6,526	5,764			1,930
1	Rosebud County	1	788	3,305		3,475		618
7	Sand Creek	8	5,961	28,837	30,941			3,857
2	Snyder	4	668	1,904		2,084		488
4	Soap Creek	17	5,382	4,919		1,948		8,353
1	Stillwater County	1		873		271		602
10	Stensvad	26	11,804	164,565	163,896			12,473
26	Sumatra	84	19,491	191,327	179,600	14,169		17,049
4	Sweetgrass Hills	4	488	489				977
8	Whitlash	27	14,672	2,742	572	1,181	243	15,418
6	Wills Creek	12	4,280	27,996	28,598			3,678
9	Wolf Springs	18	4,795	31,125	32,040			3,880
2	Woodrow	2	958	2,181	2,306			833
	Yellowstone	—	728					728
924		3,669	388,379	2,616,757	2,448,273	190,235	1,661	364,967

Total Oil Produced and Shipped from Lease	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1959	29,857,226	81,800	29,815,632	81,686
First Quarter, 1960	7,565,291	83,135	7,540,471	82,862
Second Quarter, 1960	7,277,871	79,976	7,265,563	79,841
July, 1960	2,603,746	83,991	2,599,359	83,850
August, 1960	2,616,757	84,411	2,638,508	85,113

Oil in Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil in Storage*
December, 1959	362,849	645,661	619,430	1,627,940
March, 1960	384,565	613,000	620,075	1,617,640
June, 1960	386,082	646,801	795,779	1,828,662
July, 1960	388,379	550,143	645,335	1,583,857
August, 1960	364,967	577,890	644,048	1,586,905

*Includes Wyoming Oil

TRANSPORTERS REPORT
MONTH OF AUGUST, 1960

	Storage First of Month	OIL RECEIVED BY			Loss or Gain	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			1,769				1,769		
BANNATYNE—Truck			466			466			
BELFRY—Truck			1,400				1,400		
BIG WALL—Truck			23,401			23,401			
BLACKFOOT—Union Oil Co.			11,217			11,217			
BOWES—									
Trigood Oil Co.	2,162	2,987			(8)	2,852			2,305
Texaco, Inc.		20,775				20,775			
	2,162	23,762			(8)	23,627			2,305
BRORSON—Sun Oil Co.		2,558					2,558		
CABIN CREEK & OTHERS*									
Butte Pipe Line Co.	296,402	1,004,371		543,338			1,502,407		341,704
Shell Pipe Line Co.	5,391	157,010			153			157,076	5,172
	301,793	1,161,381		543,338	153		1,502,407	157,076	346,876
CAT CREEK—									
Continental Pipe Line Co.	6,446	12,905			(83)	12,880			6,554
Truck			2,102			2,102			
	6,446	12,905	2,102		(83)	14,982			6,554
CLARK'S FORK—Truck			12,514				12,514		
CUT BANK—									
Big West Oil Co.		375		12,319		12,694			
Darling Gathering System, Inc.	1,536	5,076						4,752	1,860
Phillips Petroleum Co.	18,696	51,681		28,851	1,388	76,457		1,744	19,639
Texas Pipe Line Co.	25,826	29,074		10,728	1,045	16,728		25,040	22,815
Toronto Pipe Line Co.	16,508	49,926			78			44,310	22,046
Union Oil Co.	100,980	50,172		19,196	233	97,629			72,486
	163,546	186,304		71,094	2,744	203,508		75,846	138,846
DELPHIA—Truck			2,975			2,975			
DRY CREEK—									
Marathon Pipe Line Co.	6,277	3,340			19				9,598
DWYER—Truck			10,853				10,853		
ELK BASIN—Ohio Oil Co.		241,243					241,243		
FRANNIE—Ohio Oil Co.		1,933					1,933		
GAGE—Truck			1,239			1,239			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
The Texas Pipe Line Co.	5,122	38,912			25		54,597	26,449	12,963
GYPSY BASIN—Truck			922			922			
IVANHOE—Truck			27,414				27,414		
KEG COULEE—Truck			19,898			19,898			
KEVIN-SUNBURST—									
Big West Oil Co.	2,141	33,125				33,129			2,137
Homestake Oil & Gas Co.	516	3,138		4,752		4,882			3,524
The Texas Pipe Line Co.	4,077	32,440			361	32,079			4,077
	6,734	68,703		4,752	361	70,090			9,738
MELSTONE—Truck			5,104			5,104			
MOSSER—Truck			450				450		
PONDERA—Phillips Petr. Co.	10,748	47,004			143	49,176			8,433
POPLAR, BREDETTE, OUTLOOK, SOUTH OUTLOOK, LINE COULEE, REDSTONE & RICHEY—									
East Poplar Gathering System	15,622	350,003			(6,773)			359,813†	12,585
RAGGED POINT—Truck			15,346			15,346			
REAGAN—Union Oil Co.		17,132				17,132			
RED CREEK—Truck			30,037			6,603	23,429		
SNYDER—Truck			2,084				2,084		
SOAP CREEK—Truck			1,948				1,948		
SUMATRA AND STENSVAD—									
Powder River Pipe Line, Inc.	22,441	343,496			377	278,895	62,385		24,280
Truck			14,169				14,169		
	22,441	343,496	14,169		377	278,895	76,554		24,280
WHITLASH—									
Homestake Oil & Gas Co.	224	196				202			218
Western Natural Gas Co.	1,646	376			8				2,014
Truck			1,181			1,181			
	1,870	572	1,181		8	1,383			2,232
WOLF SPRINGS—									
Powder River Pipe Line Co.	7,382	31,127			236	34,793			3,480
UNNAMED—Rosebud Cty., Truck			3,475				3,475		
UNNAMED—Stillwater Cty. Truck			271				271		
TOTALS	550,143	2,580,375	190,235	619,184	(2,798)	780,762	1,964,899	619,184	577,890

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, East Little Beaver, Monarch, Pennel, Pine, Repeat, Richey, Southwest Richey and Wills Creek Fields. †Transferred to Butte Pipe Line Co.

BARRELS OF CRUDE OIL REFINED IN MONTANA

MONTH OF AUGUST, 1960

Field	Big West Oil Co.	Humble Oil & Ref. Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Jet Fuel Refinery	Phillips Petr. Co.	Texaco Inc.	Union Oil Co.	Total
Blackfoot									9,439	9,439
Bowes				21,347						21,347
Brady							135			135
Cat Creek			10,649		1,874	9				12,532
Cut Bank	18,026						76,780		80,745	175,551
Dry Creek					2,193					2,193
Elk Basin		121,312	54,256							175,568
Gage					279					279
Ivanhoe						254				254
Kevin-Sunburst	21,201									21,201
Melstone					12,067					12,067
Pondera							48,363			48,363
Reagan									17,131	17,131
Sumatra		154,492	284		174,103					328,879
Whitlash									1,180	1,180
Wolf Springs		21,153								21,153
Total Montana Oil	39,227	296,957	65,189	21,347	190,516	263	125,278		108,495	847,272
Canadian Oil Imported									3,324	3,324
Wyoming Oil Imported		664,521	341,384		420,718					1,426,623
TOTAL Mont., Canadian & Wyoming Oil	39,227	961,478	406,573	21,347	611,234	263	125,278		111,819	2,277,219

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	TOTAL
Year, 1959	29,898	11	41,483	71,392
August, 1959	30,353	—	50,446	80,799
August, 1960	27,331	107	46,020	73,458

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
41.87%	.03%	58.10%
37.57%	——	62.43%
37.20%	.15%	62.65%